CHURCHMAN'S CROSSING CORRIDOR IMPROVEMENTS

PROJECT SCOPE/DESCRIPTION:

Intersection Improvements: The intersections listed below will be programmed for design and construction as conditions warrant, per the triggers recommended in the Churchman's Crossing Study. The funding shown is timed to be available when these intersections meet the triggers. Monitoring of traffic conditions will be done annually and project schedules adjusted accordingly.

• SR 2 / Harmony Road — Safety improvements will be determined after monitoring traffic following the construction of Harmony Road traffic calming measures.



SR 2/Harmony Road

• SR 2 / SR 7 Intersection (Kirkwood Highway and Limestone Road) – This project added an additional left-turn lane to eastbound and westbound SR 2. The project also added pedestrian and transit improvements by adding sidewalks on both sides of SR 2 from Griffin Drive to SR 7; enlarging channelization islands; adding pedestrian ramps, crosswalks, and pedestrian signals at the SR 2/SR 7 intersection; and upgrading four existing bus stops. This project included mill and overlay of the existing pavement on SR 2 on both sides of the intersection and the existing pavement on SR 4 and Milltown Road. Construction was completed Fall, 2002.

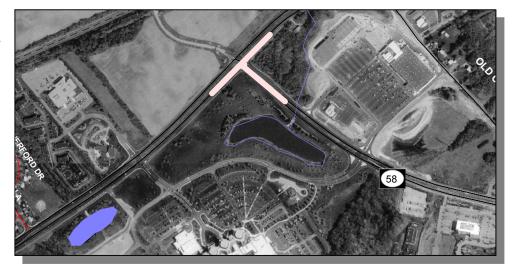


SR 2/SR 7



• SR 4 / Churchman's Road - Intersection improvements to be reevaluated based on additional committed development in the area including the Christiana Hospital.

SR 4/Churchman's Road

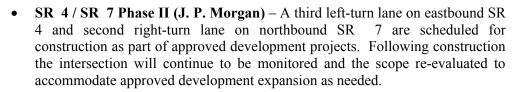


• SR 4 / Harmony Road – Intersection improvements to be re-evaluated based on additional committed development in the area including the Christiana Hospital.

SR 4/Harmony Road



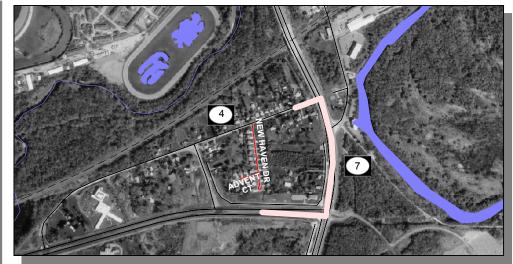
• SR 4 / SR 7 Phase I, Stanton Split – This project will add an additional westbound SR 4 through lane, and will increase the length of the southbound SR 7 left-turn lane to eastbound SR 4 storage lane. The project will also improve pedestrian and transit access by providing sidewalks on the west side of SR 7 to the school entrance and on the west side of Elm Street between eastbound and westbound SR 4. The project will also add pedestrian ramps, crosswalks, and pedestrian signals at the SR 4 / SR 7 intersection and upgrading one existing bus stop.





SR 4





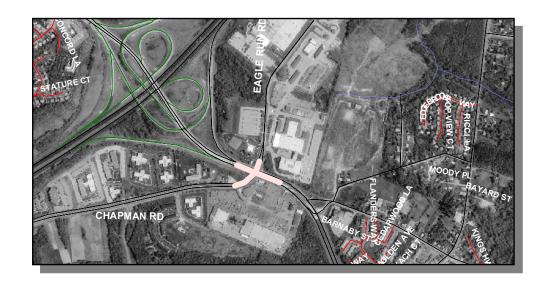
SR 7 / SR273 Intersection – This project included an additional left-turn storage capacity lane for SR273 traffic turning onto southbound SR 7. A second left-turn lane was also added to SR273 turning onto northbound SR 1. The additional left-turn lane is currently striped as a single left until traffic warrants opening the second left lane. Construction was completed Spring, 2001.



• SR273 / Chapman Road – This project contains potential safety and capacity improvements and will be studied as part of the SR273 Corridor Study.

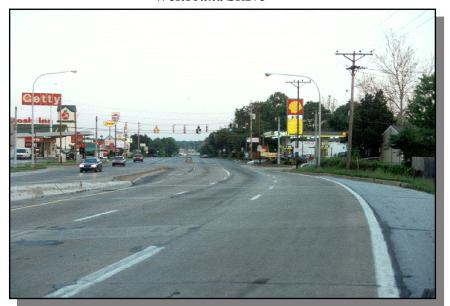






• SR273 / Harmony Road — Safety improvements will be studied after monitoring traffic following the construction of Harmony Road traffic calming measures.

Westbound SR273





• SR 273 / Main Street, Christiana – The realignment of the existing road from Brown's Lane to SR273 will separate town center traffic from local traffic.



SR 273 / Main Street, Christiana



• SR273 / Old Baltimore Pike – This project will add an additional right-turn lane on Old Baltimore Pike between SR273 and SR 7. The additional traffic from the Christina Town Center has warranted this improvement.

Multi-modal Improvements

Areawide Sidewalks / Bus Stops — This group of projects will add sidewalk segments throughout the Churchman's Crossing area in an effort to improve pedestrian connections between communities, businesses, schools, recreational destinations, and transit service. Signalized intersections, channelization islands, pedestrian ramps, crosswalks, and pedestrian signals will be added. These projects will also upgrade existing or add new bus stops throughout the Churchman's Crossing area in an effort to make transit more attractive and accessible to existing/potential users.



• Red Mill Road Sidewalk – This project provided a new sidewalk connection along the west side of Red Mill Road between Mary Ella Drive and north of Darwin Drive, helping to link neighboring communities (Millrace, Sycamore Gardens, Admiral Club, and Red Mill Farms). This project also added bicycle lanes through the project limits to better delineate Bike Route 1, and replaced an existing bypass lane with a left turn lane into Mary Ella Drive from northbound Red Mill Road. To improve safety, the project added physical medians to delineate safe travel paths, protected the left turn into Mary Ella Drive, and improved the sight distance along Red Mill Road at the intersection of Mary Ella Drive. Construction was completed Winter, 2002.



Bridge 1-234 Maintenance Pedestrian Improvements – Pedestrian improvements on this bridge along Kirkwood Highway will encourage safe pedestrian movement.

PROJECT JUSTIFICATION: These projects are being implemented as a result of the Churchman's Crossing Study.

County: New Castle

Municipality:

Funding Program: Road System - Arterials

Functional Category: Management **Representative District:** 18, 19, 21, 24, 26

Senatorial District: 8, 9









PROJECT FUNDING INFORMATION

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 12/31/03	Expended as of 12/31/03	Committed Unexpended as of 12/31/03	Authorization Available
Churchman's Crossing Corridor Improvements		\$ 55,165.3						
Prior Years	State			\$ 14,471.1	\$ 14,471.1	\$ 6,161.1	\$ 8,310.0	\$ 0.0
	Federal			\$ 14,488.0	\$ 9,762.9	\$ 8,896.5	\$ 866.4	\$ 4,725.1
	Other			\$ 275.0	\$ 275.0	\$ 268.6	\$ 6.4	\$ 0.0
FY 2004	State		\$ 55,165.3	\$ 1,000.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 1,000.0
	Federal			\$ 3,600.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 8,325.1
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005 Request	State			\$ 1,574.6				\$ 2,574.6
•	Federal			\$ 1,706.6				\$ 10,031.7
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 1,210.0				\$ 3,784.6
,	Federal			\$ 4,240.0				\$ 14,271.7
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 2,550.0				\$ 6,334.6
	Federal			\$ 9,600.0				\$ 23,871.7
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 450.0				\$ 6,784.6
	Federal			\$ 0.0				\$ 23,871.7
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 21,255.7	\$ 14,471.1			\$ 6,784.6
y	Federal			\$ 33,634.6	\$ 9,762.9			\$ 23,871.7
	Other			\$ 275.0	\$ 275.0			\$ 0.0
Total All Funds		\$ 55,165.3	\$ 55,165.3	\$ 55,165.3	\$ 24,509.0	\$ 15,326.2	\$ 9,182.8	\$ 30,656.3

	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
	Churchman's Crossing Corridor Improvements									
	Projects	PE, RW, C	80% FHWA	\$ 9,833.3	\$ 3,000.0	\$ 1,500.0	\$ 2,133.3	\$ 3,200.0	\$ 0.0	\$ 0.0
	riojecis	PE, RW, C	100% ST	4,847.1	4,847.1	3 1,300.0	\$ 2,133.3	3 3,200.0	0.0	0.0
		FE, KW, C	100/6 31	4,047.1	4,047.1	0.0	0.0	0.0	0.0	0.0
	Program Management	MGT	100% ST	1,350.0	450.0	0.0	150.0	150.0	150.0	450.0
	Enhanced Transit Service	PRO	100% ST	450.0	450.0	0.0	0.0	0.0	0.0	0.0
	Intersections Improvements									
	SR 2 / Harmony Road	PE	100% ST	300.0	0.0	0.0	300.0	0.0	0.0	0.0
		С	80% FHWA	1,500.0	0.0	0.0	0.0	0.0	1,500.0	0.0
20-111-02	SR 2 / SR 7 Intersection (Kirkwood Highway and Limestone Road)	PE	100% ST	40.0	40.0	0.0	0.0	0.0	0.0	0.0
		RW	100% ST	20.0	20.0	0.0	0.0	0.0	0.0	0.0
		С	100% PRIVATE	25.0	25.0	0.0	0.0	0.0	0.0	0.0
		С	80% FHWA	1,780.0	1,780.0	0.0	0.0	0.0	0.0	0.0
	SR 4 / Churchman's Road	PD	100% ST	80.0	80.0	0.0	0.0	0.0	0.0	0.0
		PE	100% ST	320.0	320.0	0.0	0.0	0.0	0.0	0.0
		C*	80% FHWA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24-116-01	SR 4/Harmony Road	PD	100% ST	297.9	250.0	0.0	47.9	0.0	0.0	0.0
21 110 01	or 17 Harmony Road	PE	100% ST	250.0	250.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	2,500.0	0.0	0.0	0.0	0.0	2,500.0	0.0
20-111-01	SR 4/SR 7 Phase I, Stanton Split	RW	100% ST	425.0	325.0	100.0	0.0	0.0	0.0	0.0
20-111-01	SK 47 SK 7 Hase 1, Stanton Spitt	C	80% FHWA	960.0	0.0	0.0	0.0	960.0	0.0	
	SR 4 / SR 7 Phase II (J.P. Morgan)	PD	100% ST	300.0	300.0	0.0	0.0	0.0	0.0	
		PE	100% ST	400.0	0.0	0.0		0.0	0.0	
		RW	100% ST	0.0	0.0	0.0	0.0	0.0	0.0	
		С	80% FHWA	6,000.0	0.0	0.0	0.0	0.0	6,000.0	0.0

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
	Churchman's Crossing Corridor Improvements (Continued)									
20-041-01	SR 7 / SR273 Intersection	C*	80% FHWA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SR273 / Chapman Road	PE	100% ST	400.0	400.0	0.0	0.0	0.0	0.0	0.0
		С	80% FHWA	2,000.0	0.0	0.0	0.0	0.0	2,000.0	0.0
	SR273 / Harmony Road	PD, PE	100% ST	140.0	140.0	0.0	0.0	0.0	0.0	0.0
		C*	80% FHWA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-041-01	SR273 / Main Street, Christiana	PD	100% ST	131.0	131.0	0.0	0.0	0.0	0.0	0.0
		PE RW	100% ST 80% FHWA	530.0 5,000.0	530.0 5,000.0	0.0	0.0	0.0	0.0	0.0
		С	80% FHWA	5,240.0	5,240.0	0.0	0.0	0.0	0.0	0.0
	Multi-Modal Improvements									
99-019-03	Areawide Sidewalks/Bus Stops	PE	100% ST	736.0	486.0	0.0	250.0	0.0	0.0	0.0
21-116-01		RW	100% ST	580.0	580.0	0.0	0.0	0.0	0.0	0.0
22-116-01 23-116-01		С	80% FHWA	6,280.0	2,140.0	3,000.0	0.0	1,140.0	0.0	0.0
95-116-01	Churchman's Area Improvements	С	100% PRIVATE	250.0	250.0	0.0	0.0	0.0	0.0	0.0
21-116-02	Red Mill Sidewalk	RW	100% ST	100.0	100.0	0.0	0.0	0.0	0.0	0.0
		С	80% FHWA	950.0	950.0	0.0	0.0	0.0	0.0	0.0
	BR 1-234 Maintenance Pedestrian Improvements									
	Roadway Improvements									
	Churchman's Road / SR 7	RW	100% ST	650.0	650.0	0.0	0.0	0.0	0.0	0.0
23-041-02	SR273, Christina Bypass, Chapman Road to SR 7	PE	100% ST	139.0	139.0	0.0	0.0	0.0	0.0	0.0
		RW C	100% ST 100% ST	1.0 360.0	1.0 360.0	0.0	0.0	0.0	0.0	0.0
	T (I AUE)						0 22012			
	Total All Funds			\$ 55,165.3	\$ 29,234.1	\$ 4,600.0	\$ 3,281.2	\$ 5,450.0	\$ 12,150.0	\$ 450.0

CITY OF NEW CASTLE IMPROVEMENTS

PROJECT SCOPE/DESCRIPTION: The intersections of SR 9 at 3rd and 6th Streets will be reconfigured to create a more continuous alignment on SR 9. Currently, the alignment of these intersections directs through traffic onto residential, historical streets. This project will provide pedestrian crosswalks at both intersections and may signalize the SR 9 and 6th Street intersection, if necessary.

PROJECT JUSTIFICATION: These intersection improvements were recommended in the <u>City of New Castle Transportation Plan</u>, adopted by WILMAPCO in January 2000. The improvements will address the problem of cut through traffic on residential streets by encouraging traffic to remain on SR 9. A traffic signal and crosswalks will improve connections between historic New Castle and surrounding commercial areas, schools, and housing.

County: New Castle Municipality: New Castle

Funding Program: Road System – Arterials

Functional Category: Management

Representative District: 17 **Senatorial District:** 12, 13











CITY OF NEW CASTLE IMPROVEMENTS (CONTINUED)

PROJECT FUNDING INFORMATION

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 12/31/03	Expended as of 12/31/03	Committed Unexpended as of 12/31/03	Authorization Available
City of New Castle Improvements		\$ 3,080.0						
Prior Years	State			\$ 280.0	\$ 280.0	\$ 0.0	\$ 280.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004	State		\$ 3,080.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005 Request	State			\$ 200.0				\$ 200.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 520.0				\$ 720.0
11 2000 110 jecteu	Federal			\$ 2,080.0				\$ 2,080.0
	Other			\$ 0.0				\$ 2,080.0
FY 2007 Projected	State			\$ 0.0				\$ 720.0
	Federal Other			\$ 0.0 \$ 0.0				\$ 2,080.0 \$ 0.0
	Otner			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 0.0				\$ 720.0
	Federal			\$ 0.0				\$ 2,080.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 1,000.0	\$ 280.0			\$ 720.0
<u> </u>	Federal			\$ 2,080.0	\$ 0.0			\$ 2,080.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 3,080.0	\$ 3,080.0	\$ 3,080.0	\$ 280.0	\$ 0.0	\$ 280.0	\$ 2,800.0

CITY OF NEW CASTLE IMPROVEMENTS (CONTINUED)

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
24-041-02	City of New Castle Improvements									
	SR 9 and 3rd Street, New Castle	PE	100% ST	\$ 100.0	\$ 100.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		С	80% FHWA	800.0	0.0	0.0	0.0	800.0	0.0	0.0
	SR 9 and 6th Street, New Castle	PE	100% ST	180.0	180.0	0.0	0.0	0.0	0.0	0.0
		RW	100% ST	200.0	0.0	0.0	200.0	0.0	0.0	0.0
		С	80% FHWA	1,800.0	0.0	0.0	0.0	1,800.0	0.0	0.0
	Total All Funds			\$ 3,080.0	\$ 280.0	\$ 0.0	\$ 200.0	\$ 2,600.0	\$ 0.0	\$ 0.0

ELKTON ROAD, MARYLAND STATE LINE TO DELAWARE AVENUE, NEWARK

PROJECT SCOPE/DESCRIPTION: This project will include roadway reconstruction and intersection improvements within the city limits of Newark; safety, pedestrian, and bicycle improvements from West Park Place to Delaware Avenue; and pedestrian and bicycle improvements at SR 4/Elkton Road intersection. The project development phase will define the actual scope of work needed and develop an estimate.

PROJECT JUSTIFICATION: The roadway surface along this area is crumbling and needs a total reconstruction. The area from Amstel Avenue north to Delaware Avenue in Newark has been identified as a Highway Safety Improvement Program (HSIP) site.

County: New Castle Municipality: Newark

Funding Program: Road System – Arterials

Functional Category: Management

Representative District: 23, 25 Senatorial District: 6

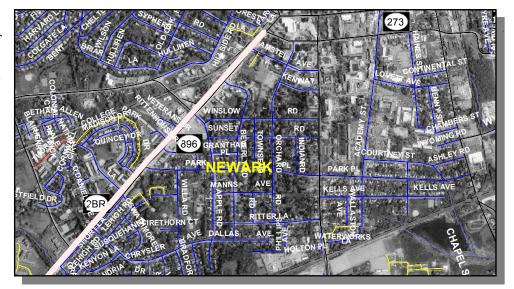














ELKTON ROAD, MARYLAND STATE LINE TO DELAWARE AVENUE, NEWARK (CONTINUED)

Elkton Road in Newark



Elkton Road to Maryland State Line



ELKTON ROAD, MARYLAND STATE LINE TO DELAWARE AVENUE, NEWARK (CONTINUED)

PROJECT FUNDING INFORMATION

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 12/31/03	Expended as of 12/31/03	Committed Unexpended as of 12/31/03	Authorization Available
Elkton Road, Maryland State Line								
to Delaware Avenue, Newark		\$ 550.0						
Prior Years	State			\$ 50.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 50.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004	State		\$ 550.0	\$ 500.0	\$ 500.0	\$ 0.0	\$ 500.0	\$ 50.0
11 2001	Federal		ψ 330.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005 Request	State			\$ 0.0				\$ 50.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 50.0
•	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 0.0				\$ 50.0
F1 2007 Frojecteu	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 0.0				\$ 50.0
•	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 550.0	\$ 500.0			\$ 50.0
- van - rejecteu	Federal			\$ 0.0	\$ 0.0			\$ 0.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 550.0	\$ 550.0	\$ 550.0	\$ 500.0	\$ 0.0	\$ 500.0	\$ 50.0

ELKTON ROAD, MARYLAND STATE LINE TO DELAWARE AVENUE, NEWARK (CONTINUED)

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
24-044-01	Elkton Road, Maryland State Line to Delaware Avenue, Newark	PE	100% ST	\$ 550.0	\$ 50.0	\$ 500.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Total All Funds			\$ 550.0	\$ 50.0	\$ 500.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0

KIRKWOOD HIGHWAY, FROM CENTRE ROAD TO DUPONT ROAD, ELSMERE

PROJECT SCOPE/DESCRIPTION: This project coordinates sidewalk and median improvements with the planned construction project on Kirkwood Highway (SR 2), from Centre Road (SR141) to Dupont Road (SR100).

PROJECT JUSTIFICATION: This project will promote multi-modal use and improve safety in the area.

County: New Castle **Municipality:** Elsmere

Funding Program: Road System - Arterials

Functional Category: Management

Representative District: 12, 13 **Senatorial District:** 7















KIRKWOOD HIGHWAY, FROM CENTRE ROAD TO DUPONT ROAD, ELSMERE (CONTINUED)

PROJECT FUNDING INFORMATION

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 12/31/03	Expended as of 12/31/03	Committed Unexpended as of 12/31/03	Authorization Available
Kirkwood Highway, from Centre Road								
to Dupont Road, Elsmere		\$ 900.0						
Prior Years	State			\$ 900.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 900.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004	State		\$ 900.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 900.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005 Request	State			\$ 0.0				\$ 900.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 900.0
11 2000 110 (cetta	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 0.0				\$ 900.0
11 2007 110jecteu	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 0.0				\$ 900.0
FY 2008-2010 Projected	Federal			\$ 0.0				\$ 900.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 900.0	\$ 0.0			\$ 900.0
	Federal			\$ 0.0	\$ 0.0			\$ 0.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 900.0	\$ 900.0	\$ 900.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 900.0

KIRKWOOD HIGHWAY, FROM CENTRE ROAD TO DUPONT ROAD, ELSMERE (CONTINUED)

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
	Kirkwood Highway, from Centre Road to Dupont Road, Elsmere	С	100% ST	\$ 900.0	\$ 900.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Total All Funds			\$ 900.0	\$ 900.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0